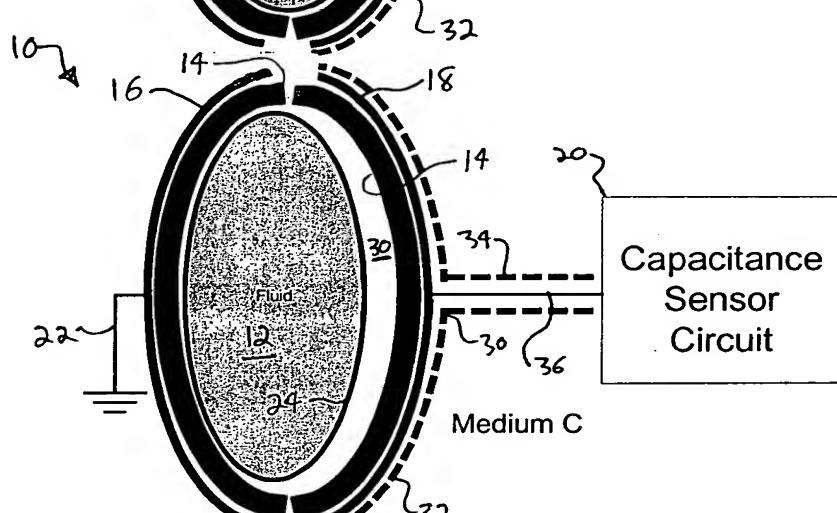


Capacitance
Sensor
Circuit

V_3

FIG. 1C

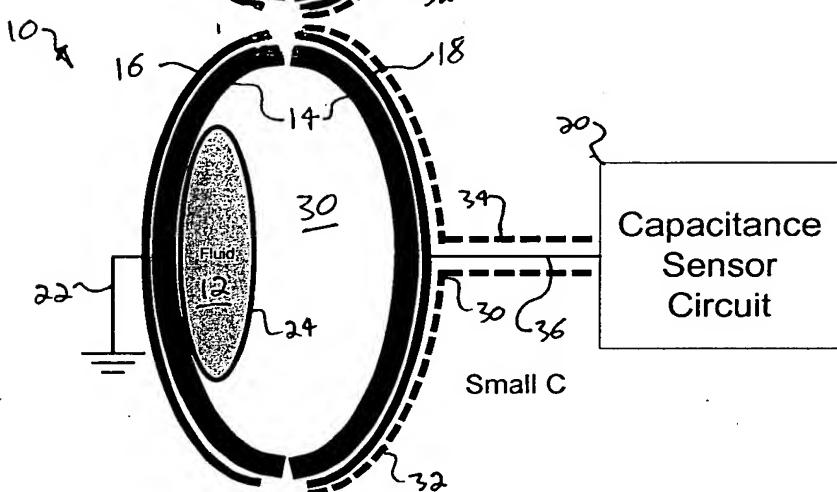


Capacitance
Sensor
Circuit

V_2

FIG. 1B

Voltage is
proportional to
 $1/C$



Capacitance
Sensor
Circuit

V_1

FIG. 1A

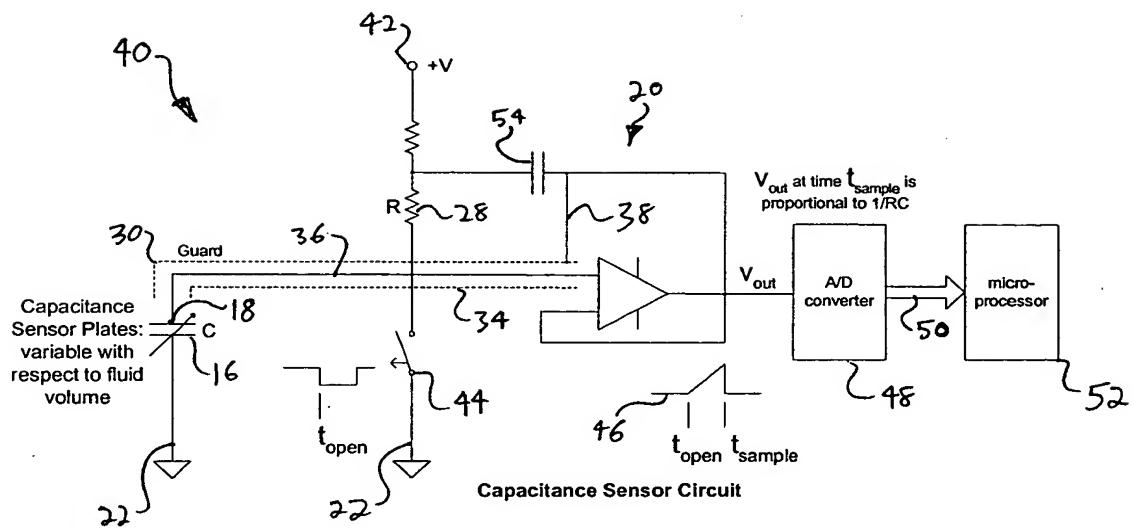


Fig. 2

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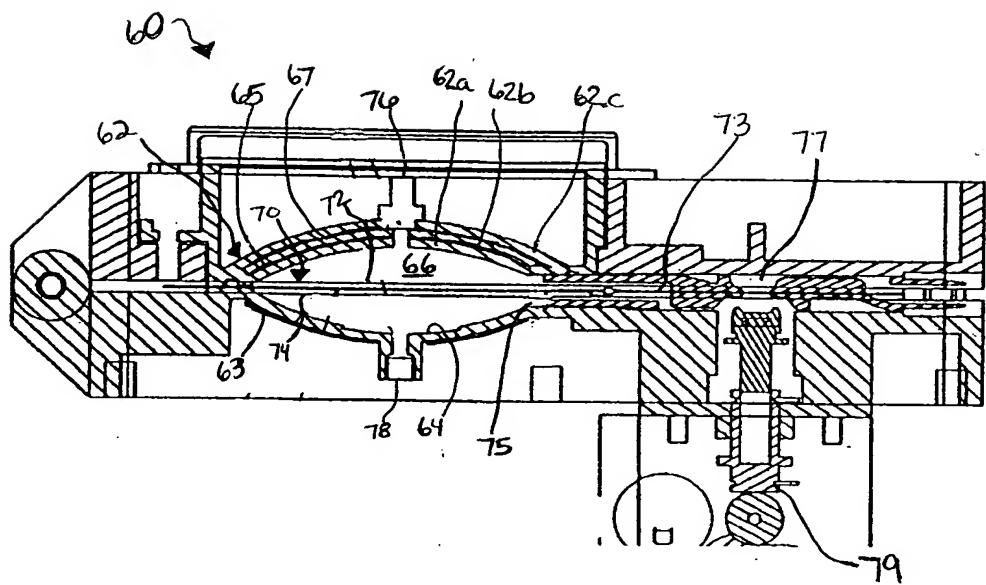
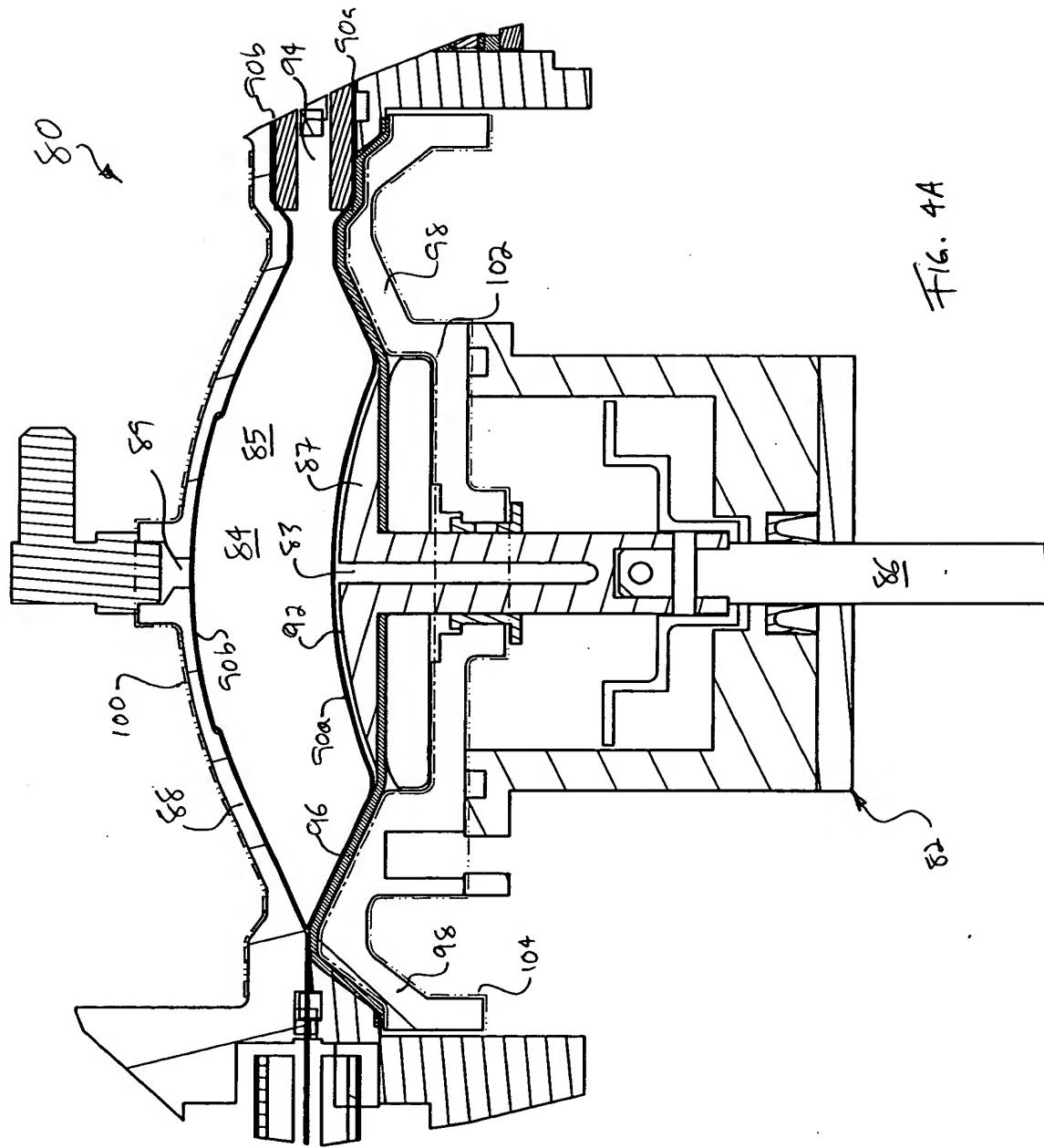
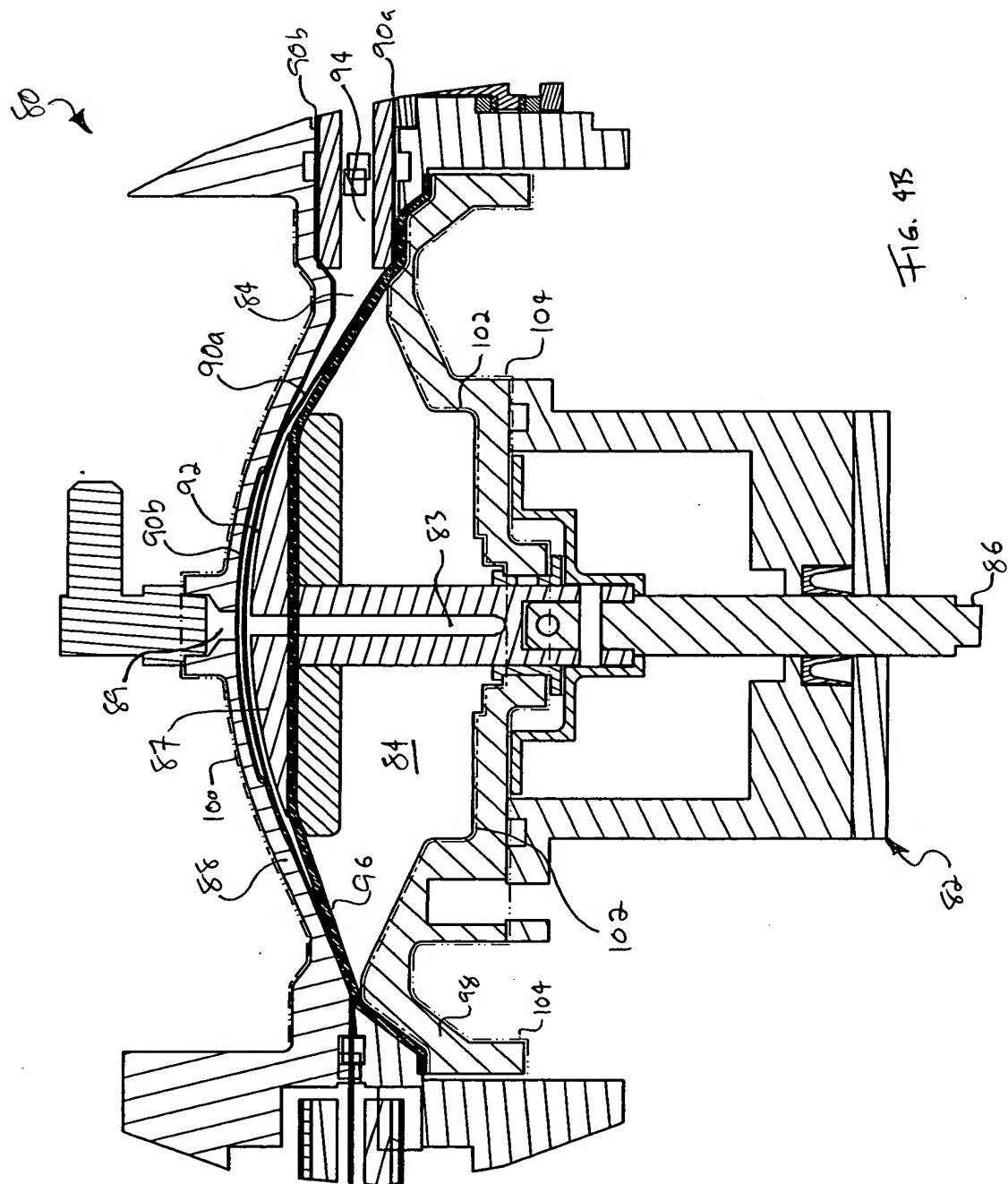


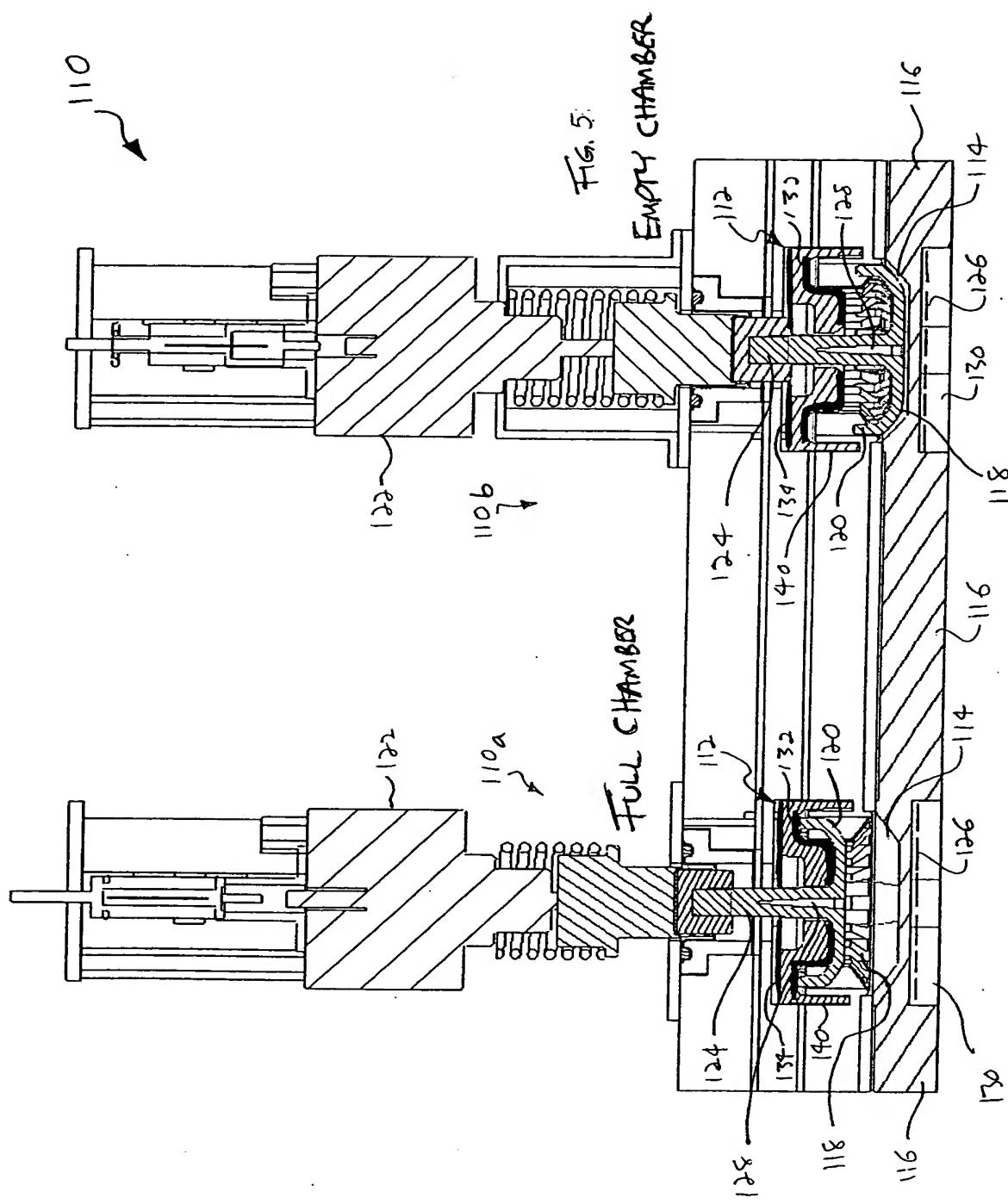
Fig. 3

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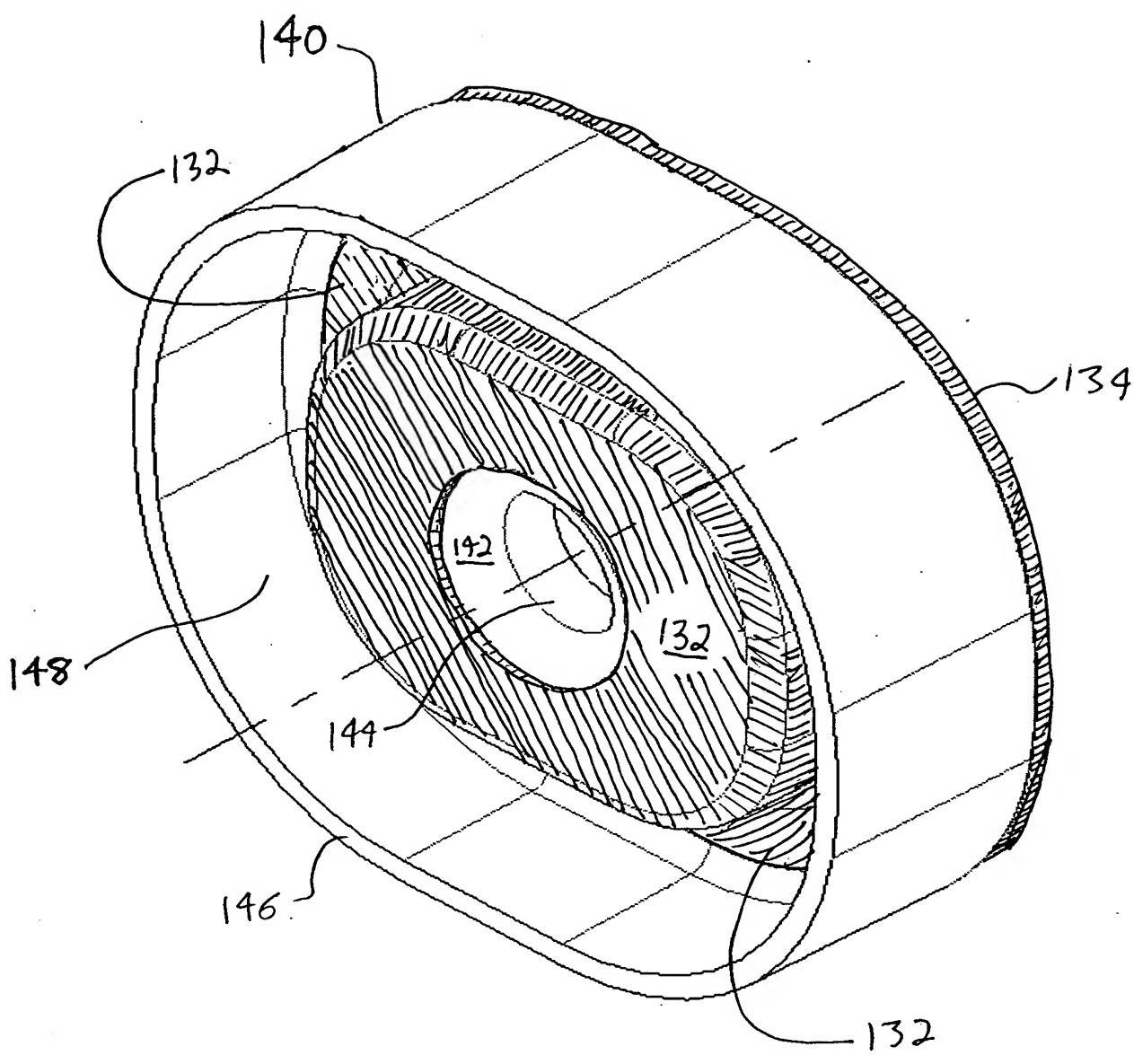


FIG. 6